25X1

~~SECRET~~

~~CONFIDENTIAL~~

Jale

p. 101B

20 March 1956

MEMORANDUM FOR: THE RECORD

SUBJECT: Monitoring of contract with [redacted] 25X1
25X1

1. Time and Place of Meeting: 12 and 13 March 56; [redacted] 25X1
25X1

2. Attendance: [redacted] 25X1

3. Discussion:

a. The meeting on the 12th consisted of discussions concerning the progress on the C Units, D Units, and with various and assorted messages delivered.

b. The overall progress on the C Unit is satisfactory and is maintaining the scheduled time. Some minor points of difficulty seem to have arisen, one concerning the optics. It appears that it will be necessary, or at least desirable, to use round circular optics of $1\frac{1}{4}$ inch diameter. (free aperture) This will necessitate a width dimension at the optics of somewhat greater than $1\frac{1}{2}$ inch as originally planned. See attached sketch drawn to full scale. The control arrangement has not been settled. However, this will be a small change, if any. As presently invisioned, the necessary components will set very nicely into a container that measures $1\frac{1}{2}$ inches inside width. The box will be of .040 thickness which will mean the outside dimension will be 1.58 inches excluding two slight flares for the optical components. The length dimension will be quite adequate except for controls which will extend somewhat beyond the 6 inches called for in the specification. The heighth dimension of $4\frac{1}{2}$ inches appears to be adequate as an outside dimension.

c. Four Gould penlight cells were picked up for the purpose of demonstrating their capabilities. See Appendix B and C attached. Two other batteries will be interchangeable with the Gould cells. They are the normal penlight dry cell which will give an expected operating life of 30 minutes and the Mallory mercury cell (RM12M) which will give an operating life of two hours. The battery case will take the batteries interchangeably. It is believed that the equipments should be delivered with the Gould batteries.

~~SECRET~~ ~~CONFIDENTIAL~~

25X1

25X1

d. The D Unit contract was delivered to [redacted] and a receipt was received and delivered to [redacted] All [redacted] contracts must be signed by [redacted]. 25X1 25X1

e. Progress on the B contract is progressing and the first phase should be completed by 30 April as per the latest time extension. Phase two is progressing ahead of schedule except for the technical writing staff which has not yet made time available for putting the handbook into final form.

f. On Tuesday, 13 March, [redacted] discussed an ASD type equipment for which he solicited a proposal. Preliminary estimates were some $63,000. The unit was to incorporate the optical system from the C Unit as a transmitter, the amplifier from the C Unit with the addition of enough preamplification to permit 20 to 30 foot off-mike operation plus an AC power supply. [redacted] 25X1 [redacted] pointed out that their initial price estimate was believed to be somewhat high. The result being that on the basis of man months, [redacted] came down from the proposed 34 man months to 19 man months which still seemed a bit high. [redacted] was then queried as to the possibility of their furnishing the optical components for this device with our obtaining the electronics components from another source. No final answer was given but [redacted] was requested to write letter-type proposals for each. [redacted] estimates on the complete job, not finalized but oral, are between $35,000. and $40,000. No estimates have yet been given on the optical head exclusively. These proposals should be available by 23 March 1956 and should be mailed shortly thereafter.

25X1 25X1 25X1 25X1 25X1

4. Conclusions: [redacted] estimate based on the 19 man months of $35,000. to $40,000. appears to be high by factor of two for the job to be done. The urgency requested in the proposal necessitated overtime premium pay for their employees which would account for the proposal being high. It is believed that in view of the premium pay required they are still somewhat high.

25X1

[redacted]

Distribution:
Orig. - P101B
1 - P101C
1 - RTW
1 - Chrono

TSS/APD [redacted] (20 Mar 56)

25X1

CONFIDENTIAL

GOULD MULTI-LIFE

SEALED CELL TYPE "AA"

CHARACTERISTICS AND INSTRUCTIONS

Voltage	1.20 Volts
Weight	32 grams (1.13 oz.)
Dimensions	14 mm diam. x 50 mm (.55" x 1.97")
Nominal Capacity	0.45 A. H.
Charge	0.080 amp. for 10 to 12 hours.*
Short Circuit Current	8 amps. immediately after charge.
Normal Discharge	0.090 amp.
Discharge Voltage Limit	0.90 Volt
Polarity	Pos. at top. Neg. at bottom.
Remarks	All contacts with the cell positive and negative must be of the pressure type. Do not attempt solder connections as the thermoplastic seal of the cell may be destroyed. Cells with solder lugs are available if required.

* When charged at this rate the cell can be overcharged indefinitely.

CONFIDENTIAL

Appendix C